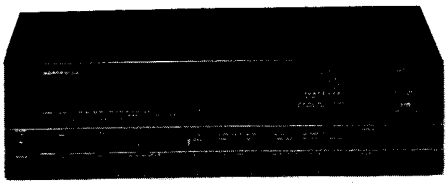
TECHNISCHER KUNDENDIENST

Service-Information



HIFI AMPLIFIER PA 7060 – 988.161 H

TECHNICAL DATA – CARACTERISTIQUES PRINCIPALES
TECHNISCHE DATEN – CARACTERISTICAS DEL APARATO – DATI TECNICI

Type of set : **Type d'appareil :** **Geräteart :** **Tipo de aparato :** **Tipo d'apparatecchio :**	Stereo pre-main amplifier Préampli-ampli stéréophonique Stereo-Vollverstärker Preamplificador-amplificador estereo Preamplificatore-amplificatore stereo
	↔ 440 mm ↕ 116 mm ↗ 290 mm 5,4 kg
Power supply : **Alimentation :** **Stromversorgung :** **Alimentación :** **Alimentazione :**	220 V~
Power consumption : **Consommation :** **Leistungsaufnahme :** **Consumo :** **Consumo :**	340 W
Nominal output power : **Puissance nominale de sortie :** **Nennausgangsleistung :** **Potencia nominal de salida :** **Potenzia nominale di uscita :**	2 x 60 W f = 1 kHz d = 1% ZS = 8 Ω
Frequency response : **Courbe de réponse :** **Frequenzgang :** **Curva de respuesta :** **Curva di risposta :**	20 Hz - 20 kHz ± 1,5 dB
Signal to noise ratio : **Rapport signal/bruit :** **Geräuschspannungsabstand :** **Relación senal/ruido :** **Rapporto segnale/disturbo :**	○ 72 dB AUX. 96 dB
Total harmonic distortion : **Distorsion harmonique :** **Klirrfaktor :** **Distorsión armónica :** **Distorsione armonica :**	1 kHz - 10 kHz 0,005 - 0,025%
Stereo separation : **Diaphonie :** **Übersprechdämpfung :** **Diafonía :** **Diafonia :**	60 db (250 Hz ~10 kHz)
Input sensitivity : **Sensibilité d'entrée :** **Eingangsempfindlichkeit :** **Sensibilidad :** **Sensibilita :**	○ 2,7 mV AUX. 180 mV

MC-Service

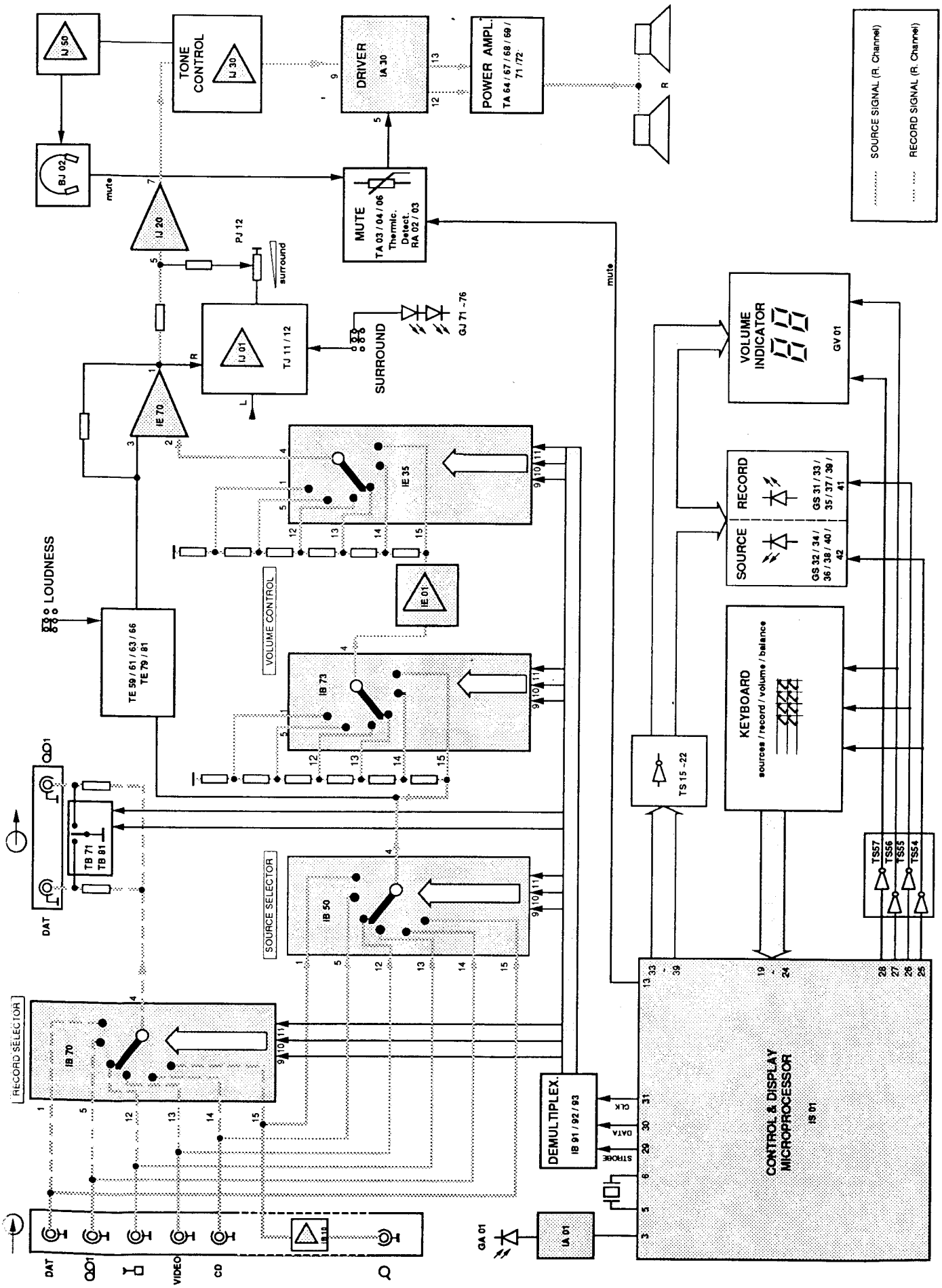
Sämtliche Urheberrechte an diesen Texten und Zeichnungen stehen uns zu. Nachdrucke, Vervielfältigung – auch auszugsweise – nur mit unserer vorherigen Zustimmung zulässig. Alle Rechte vorbehalten.

BTX-BESTELLSERVICE ✱ 458518 #

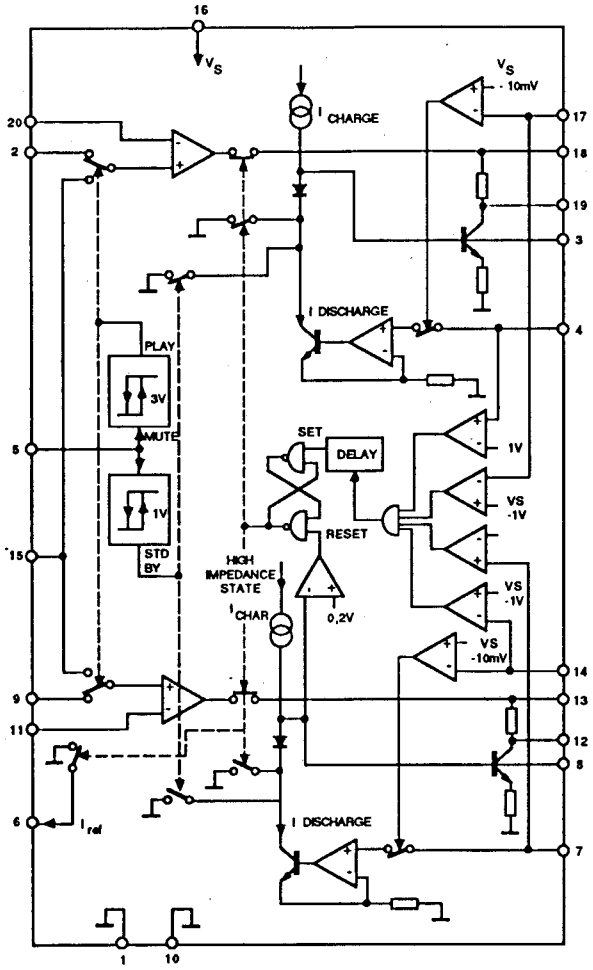
NORDMENDE

These instructions are for service dealers only · Subject to modification · Ces indications et instructions sont destinées exclusivement au service du commerce spécialisé Modifications réservées · Diese Angaben und Hinweise sind ausschließlich für den Service des Fachhändlers bestimmt · Änderungen vorbehalten · Estos datos e instrucciones son destinados exclusivamente al servicio técnico del revendedor · Salvo modificación · Questi dati e queste istruzioni sono riservati ai tecnici del servizio assistenza Con riserva di modifiche

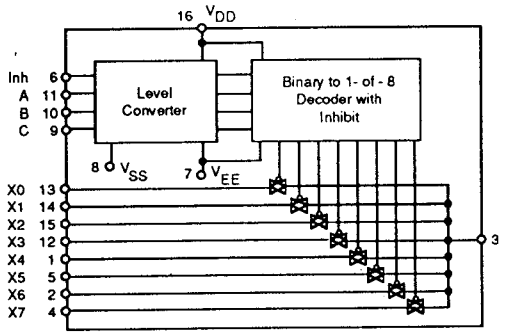
BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD
ESQUEMA DE BLOQUES - SCHEMA A BLOCCI



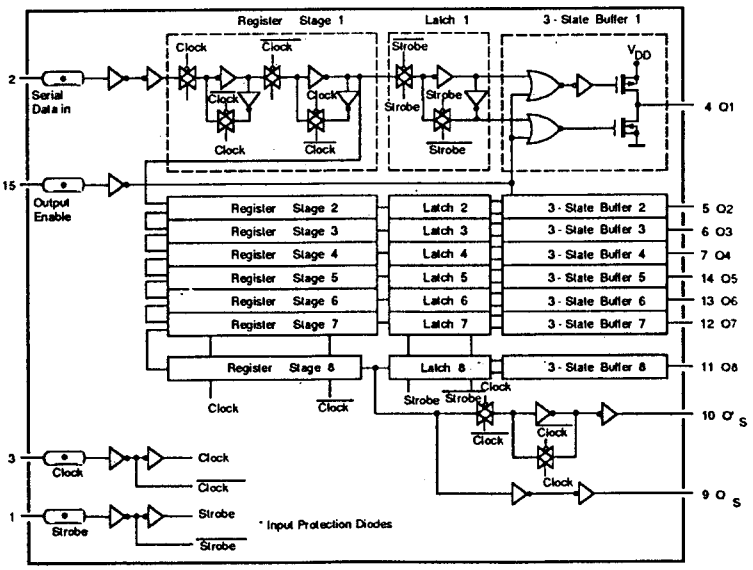
TDA 7250

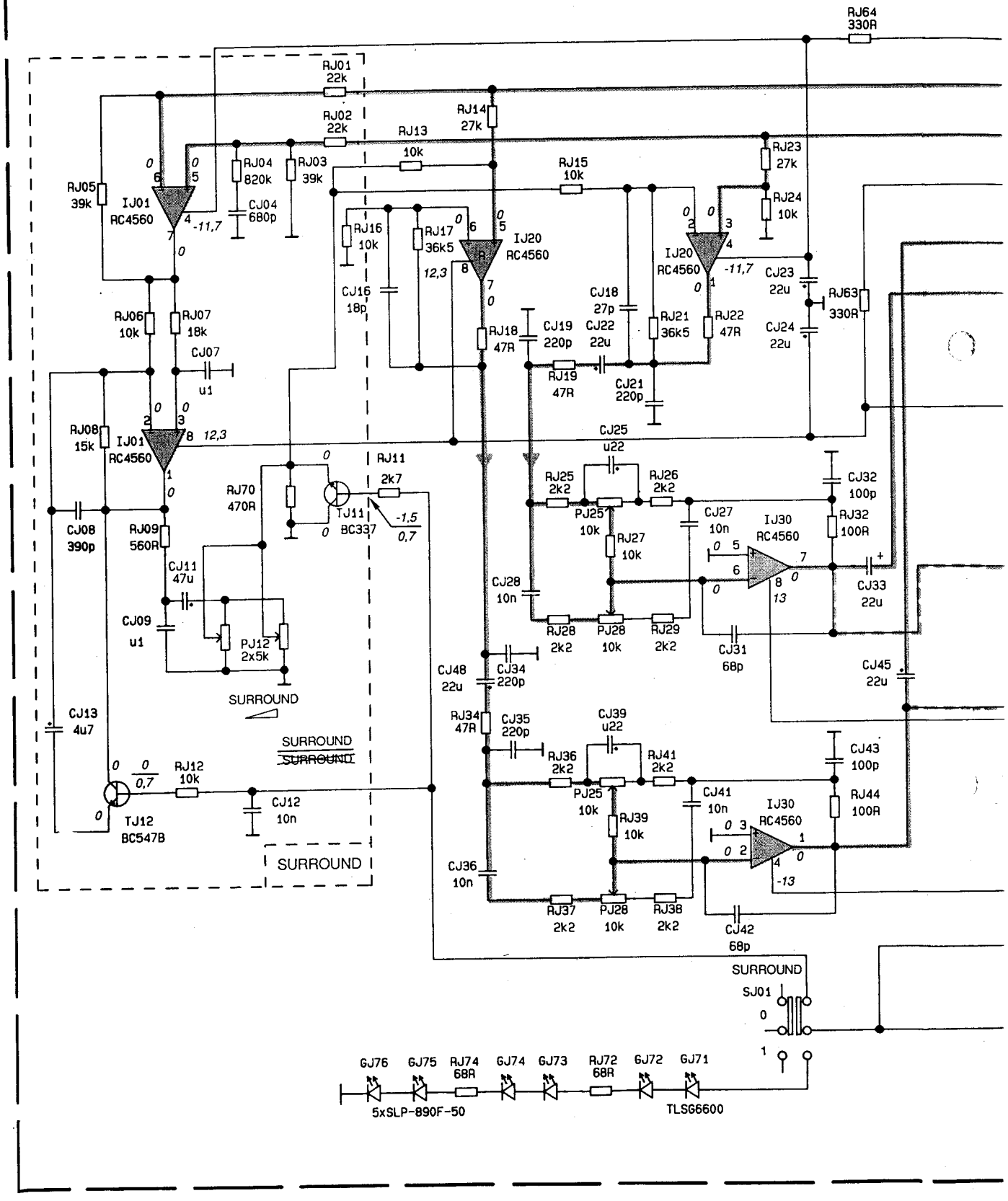


MC 14051

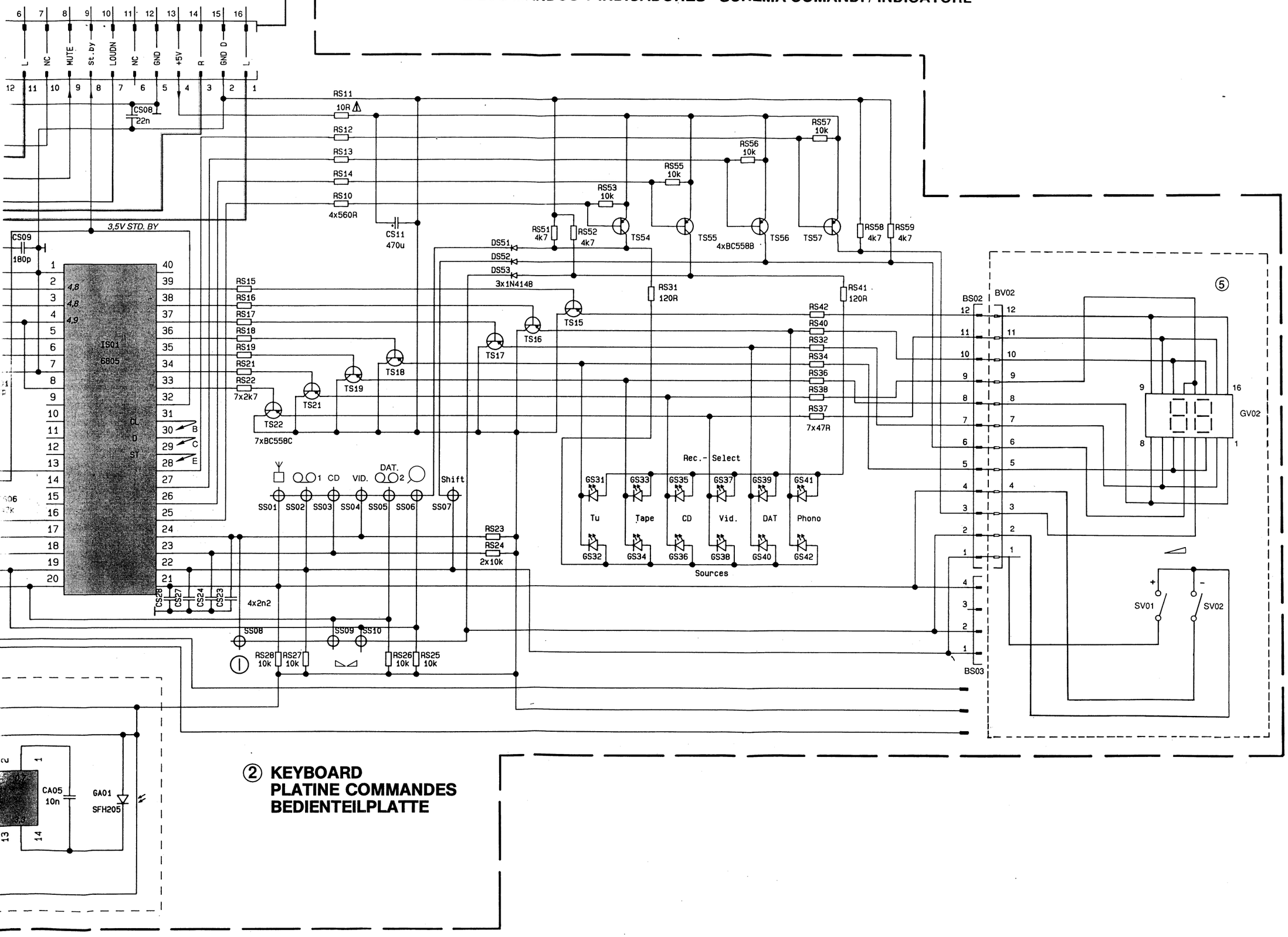


MC 14094




RJ64 330R
RJ01 22k
RJ02 22k
RJ13 10k
RJ14 27k
RJ15 10k
RJ23 27k
RJ24 10k
RJ05 39k
IJ01 RC4560
RJ04 820k
CJ04 680p
RJ03 39k
RJ16 10k
RJ17 36k5
IJ20 RC4560
CJ16 18p
CJ18 27p
RJ21 36k5
RJ22 47R
CJ23 22u
CJ24 22u
RJ63 330R
RJ06 10k
RJ07 18k
CJ07 u1
RJ18 47R
CJ19 220p
CJ22 22u
RJ19 47R
CJ21 220p
RJ08 15k
CJ25 u22
RJ11 2k7
RJ70 470R
TJ11 BC337
RJ25 2k2
RJ26 2k2
PJ25 10k
RJ27 10k
CJ27 10n
IJ30 RC4560
CJ32 100p
RJ32 100R
CJ33 22u
CJ08 390p
RJ09 560R
CJ11 47u
CJ09 u1
PJ12 2x5k
CJ28 10n
RJ28 2k2
PJ28 10k
RJ29 2k2
CJ31 68p
CJ48 22u
CJ34 220p
CJ45 22u
SURROUND
CJ13 4u7
RJ34 47R
CJ35 220p
CJ39 u22
RJ36 2k2
RJ41 2k2
CJ43 100p
RJ44 100R
RJ12 10k
TJ12 BC547B
CJ12 10n
CJ41 10n
RJ39 10k
CJ36 10n
RJ37 2k2
RJ38 2k2
CJ42 68p
SJ01
GJ76 GJ75 RJ74 68R GJ74 GJ73 RJ72 68R GJ72 GJ71
5xSLP-890F-50
TLSG6600

KEY / DISPLAY DIAGRAM - SCHEMA DE PRINCIPE DES COMMANDES / AFFICHAGE - BEDIENTEIL / ANZEIGESCHALTBILD
ESQUEMA DE LOS MANDOS Y INDICADORES - SCHEMA COMANDI / INDICATORE



② KEYBOARD
PLATINE COMMANDES
BEDIENTEILPLATTE

KEY / DISPLAY DIAGRAM - SCH
ESQUEMA DE LOS MANDOS Y

① MAIN BOARD
PLATINE PRINCIPALE
GRUNDPLATTE

BE01 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
NC R -15V GND +15V L NC MUTE St.by LOUDN NC GND +5V R GND D L

BJ01 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

-15V
CJ61 100u
R
L
CJ62 10u
+15V
LOUDNESS
R
L
GND
3,5V STD. BY

CS05 2n2
CS08 22n
CS09 180p
CS04 2u2
CS03 2u2
QS01 4MHz
CS01 22p
CS12 470p
CS06 220p
CS02 10u
RS02 10k
DS01 1N4148
RS03 4k7
RS08 6k8
RS05 47k
RS06 47k
RS07 6k8

IS01 6805
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
4,8 4,8 4,9
CL D ST
40 39 38 37 36 35 34 33 32 31 30 29 28 27 26 25 24 23 22 21
B C E

RS11 10R
RS12
RS13
RS14
RS10 4x560R
CS11 470u
RS15 RS16 RS17 RS18 RS19 RS21 RS22 7x2k7
TS22 TS21 TS19 TS18 TS17 TS16 TS15 7xBC558C
RS51 4k7 RS52 4k7
DS51 DS52 DS53 3x1N4148

1 CD VID. 2 DAT. Shift
SS01 SS02 SS03 SS04 SS05 SS06 SS07
RS23 RS24 2x10k
CS28 CS27 CS24 CS23 4x2n2
SS08 SS09 SS10
RS28 10k RS27 10k RS26 10k RS25 10k

TJ14 BC548B MUTE ~~MUTE~~
RJ66 4k7
RJ67 4k7
TJ16 BC548B
TJ18 BC558C
0,7 -1,8 4,1 4,9
CJ69 4u7
RJ59 2k2
12,3 ON
0 STD. BY
Std. By 0,7
RJ76 12k
TJ19 BC548B
RJ69 100R

④ AMP.
RJ58 47R
RJ57 47R
CJ57 10n
CJ58 10n
BJ02
IJ50 RC4560
RJ56 8k2
RJ55 3k9
RJ54 1k
CJ54 47u
CJ53 47u
RJ53 1k
RJ52 47R
CJ52 10n
RJ51 47R
CJ51 10n
RJ42 120R
RJ43 120R
14,5 -14,5
IJ50 RC4560
RJ48 8k2
RJ49 3k9
RJ47 330R
CJ68 22u
CJ64 10n
CJ47 22u
CJ46 22u
RJ46 330R
4,9 0

CLOCK STROBE DATA 5V
BS01 10 1
BB01 1 10

LOUDNESS
SJ02 0 1
RJ75 22K

③
CA07 22u
CA06 22u
IA01 U2505B
4,8 0 0 4,9 3,9 0 0,7
0 0 4,1 1,6 3,3 0 3,3
CA05 10n
GA01 SFH205
CA01 150p
RA01 180k
CA02 4u7
RA02 3M3
CA03 27p

① MAIN BOARD
PLATINE PRINCIPALE
GRUNDPLATTE

② KEYBOARD
PLATINE COMMANDES
BEDIENTEILPLATTE

13 (V) 10 MΩ AF signal R/L

SQUEMA DE LA PLATINA PRINCIPAL - SCHEMA DELLA PIASTRA PRINCIPALE

① MAIN BOARD
PLATINE PRINCIPALE
GRUNDPLATTE

IB 40 / 50 - IB 70 / 71

control			output	function
⑨	⑩	⑪	③ x	source - record
0	0	0	x = 13	VIDEO
0	0	1	x = 14	CD
0	1	0	x = 15	PHONO
0	1	1	x = 12	TUNER
1	0	0	x = 1	DAT
1	0	1	x = 5	TAPE
1	1	0	x = 2	–
1	1	1	x = 4	–

VOLUME CONTROL

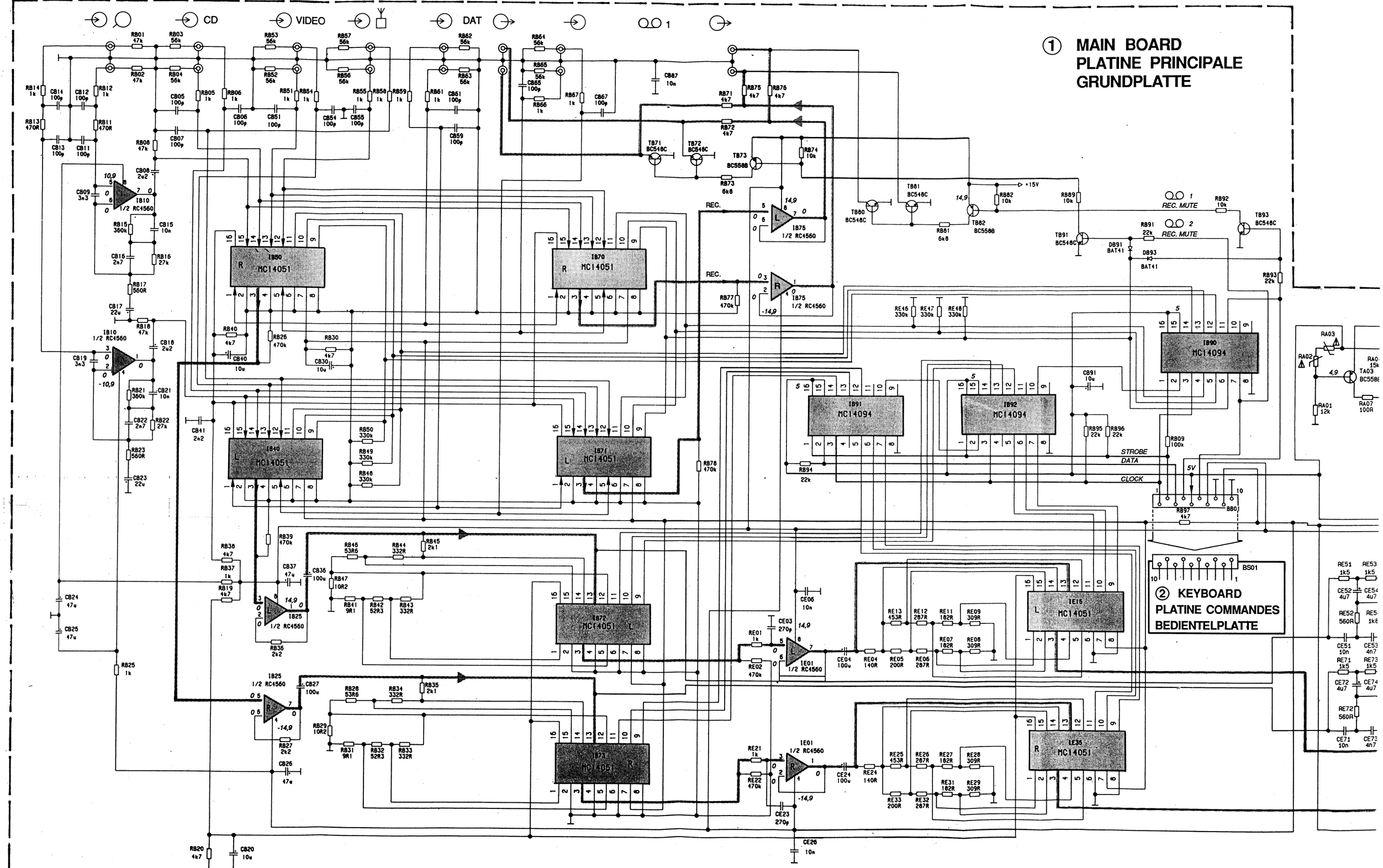
IE 73 ⑨	⑩	⑪	VOLUME IND.	IE 35
1	1	0	– –	H
1	0	1	00	H
1	0	0	2 → 16	A → H
0	1	1	18 → 30	A → H
0	1	0	32 → 48	A → H
0	0	1	50 → 64	A → H
0	0	0	64 → 80	A → H

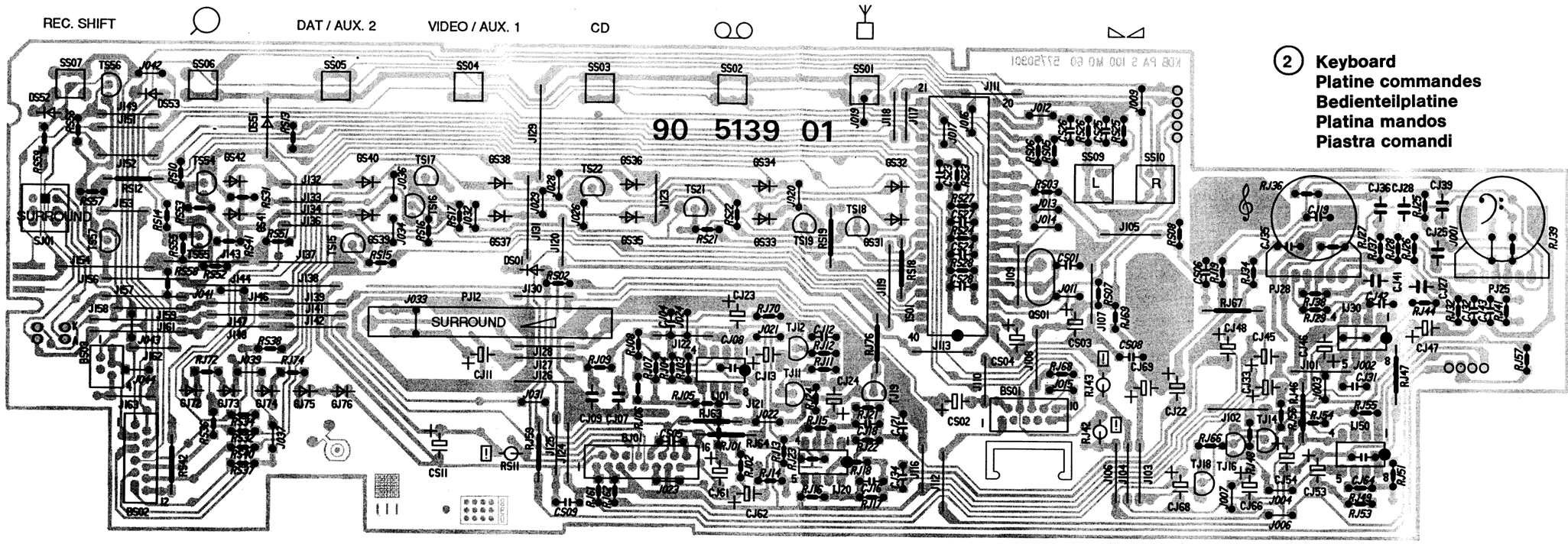
IE 35	⑨	⑩	⑪
A	1	1	1
B	1	1	0
C	1	0	1
D	1	0	0
E	0	1	1
F	0	1	0
G	0	0	1
H	0	0	0

② KEYBOARD
PLATINE COMMANDES
BEDIENTELPLATTE

AF signal L/R — 19 — 10 MΩ — 14,9 — 10 MΩ

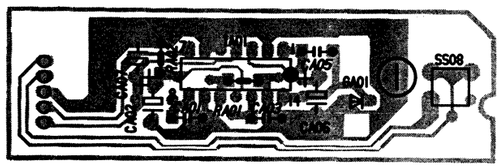
MAIN BOARD CIRCUIT DIAGRAM - SCHEMA DE PRINCIPE DE LA PLATINE PRINCIPALE - GRUNDPLATTE SCHALTBILD - ESQUEMA DE LA PLATINA PRINCIPAL - SCHEMA DELLA PIASTRA PR



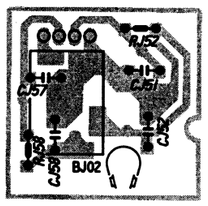


Component side
Côté composants
Bestückungseite
Lado componentes
Lato componenti

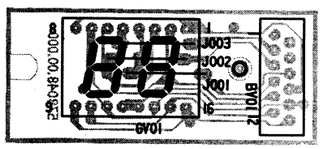
(2) Keyboard
Platine commandes
Bedienteilplatine
Platina mandos
Piastra comandi

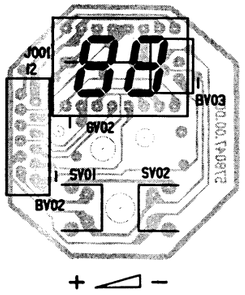


(3) IC Receiver board
Platine recepteur infra-rouge
IR Empfängerplatte
Platina receptor IR
Piastra ricevitore IR



(4) Headphone jack board
Platine prise casque
Platine Köpfhörerbuchse
Platina toma auriculares
Piastra presa per cuffia

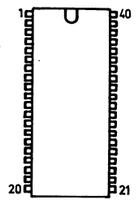




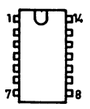
(5) a+b Volume display and control boards
Platines commandes et affichage de volume
Lautstärkeanzeige- und Steuerplatine
Platinas mandos y indicador de volumen
Piastre comandi e indicatore di volume

BC 337
BC 547
BC 548
BC 558

BA 4560



MC 7805 U3S



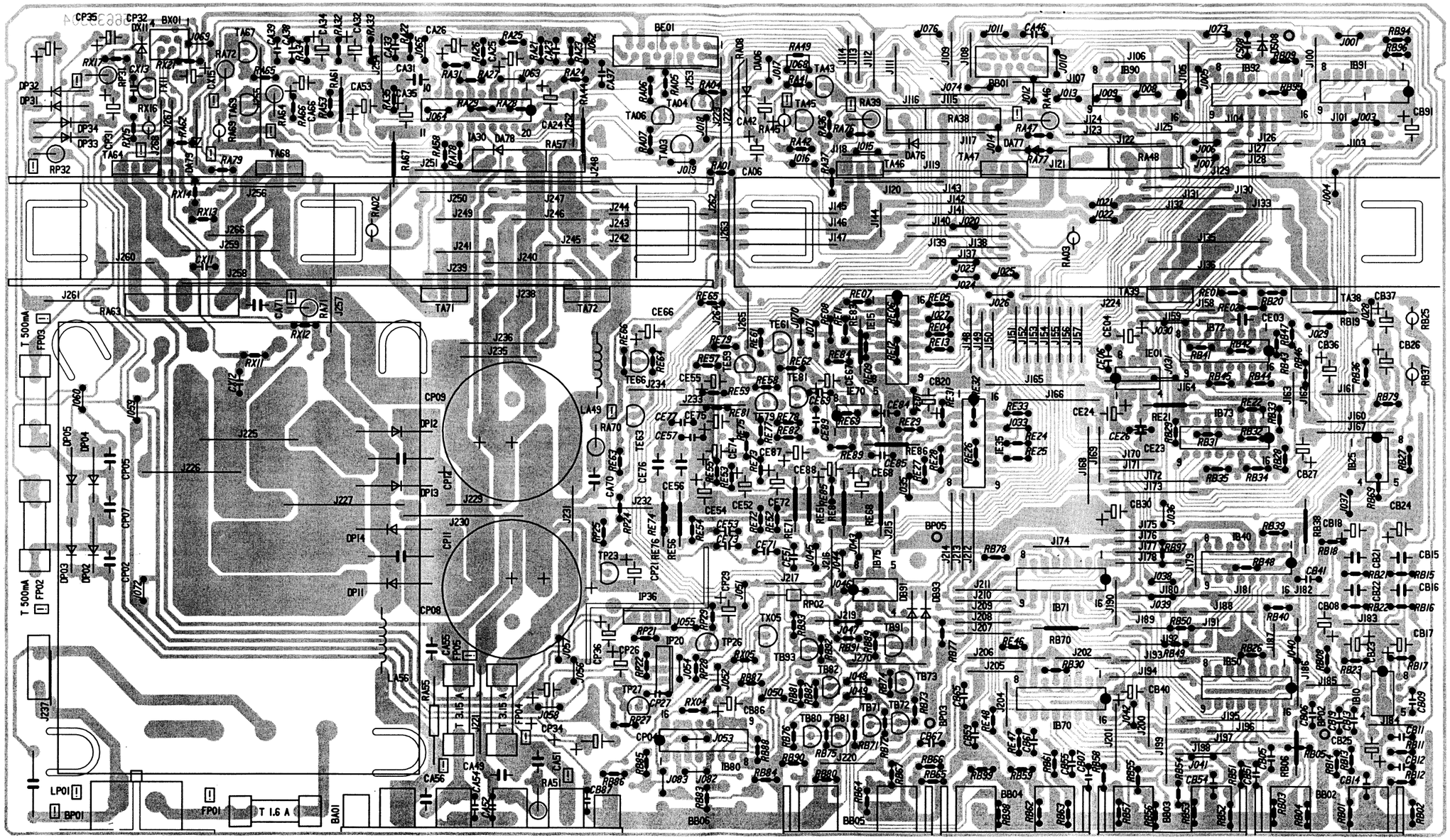
U 250

MC-Service

NORDMENDE

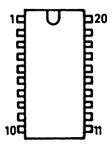
NORDMENDE GmbH · Postfach 44 85 08 · 2800 Bremen 44, West-Germany

PRINTED CIRCUIT BOARDS - CIRCUITS IMPRIMES - GEDRUCKTE SCHALTUNG - CIRCUITOS IMPRESSOS - CIRCUITI STAMPATI

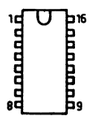


DAT / AUX. 2 VIDEO AUX. 1 CD

(1) **Main board**
Platine principale
Grundplatte
Platina principal
Piastra principale

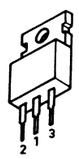


TDA 7250

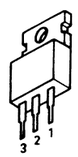


MC 14051 BCP
TC 4094 BP

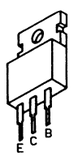
BA 4560



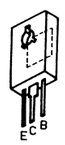
LM 317



MC 7805



BD 911
BD 912



BD 136

BC 548
BC 557
BC 558
BC 639
BC 640